

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	54723	(water or hydraulic) with turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/08 11:16
L2	299	1 and impeller and ((debris or solid) same prevent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/08 11:16
L3	9	2 and kaplan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/08 11:16
L4	247	415/121.2.ccls. and turbine	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 11:19
L5	80	4 not "gas"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 11:20
L6	84	("0061362"   "0328593"   "0507294"   "0867192"   "0868798"   "0903592"   "0914574"   "1123491"   "1147658"   "1396609"   "1512545"   "1555879"   "1602755"   "1669055"   "1713446"   "1790969"   "1903545"   "2116055"   "2213610"   "2355842"   "2501696"   "2723641"   "3027864"   "3209156"   "3980894"   "3986787"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 11:22

		"4026587"   "4116581"   "4163904"   "4274009"   "4306157"   "4313059"   "4324984").PN. OR ("4613279").URPN.				
L7	45	("1835018"   "20020178837"   "20030198515"   "20040070210"   "20040074313"   "20040101397"   "20050099012"   "20050207845"   "20050241413"   "20060026746"   "20080101867"   "20080107486"   "3339078"   "3582667"   "4084918"   "4102599"   "4120602"   "4163904"   "4258271"   "4295783"   "4446378"   "4468153"   "4613279"   "4648244"   "4868408"   "5332354"   "5447412"   "5451137"   "5451138"   "5577882"   "6109863"   "6382904"   "6472768"   "6877968"   "6932541"   "6954006"   "6955049"   "7116005"   "7228750"   "7296411"   "7326001").PN. OR ("7456514").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 11:25

L8	11	("1730578"   "2662726"   "3118594"   "3582667"   "4226573").PN. OR ("4648244").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 11:50
L9	3	("1730578").URPN.	USPAT	OR	ON	2010/02/08 11:53
L10	41	turbine same tidal same low same head \$3	USPAT	OR	ON	2010/02/08 12:02
L11	5	("4159188"   "4165467").PN. OR ("4279539").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 12:06
L12	37	("2501696"   "3353028"   "3535540"   "4046403"   "4078388"   "4102599"   "4123666"   "4170428"   "4207015"   "4261171"   "4275989"   "4279539"   "4289971"   "4367413"   "4367890"   "4464580"   "4468153"   "4613279"   "4674279"   "4720640"   "4740711"   "4755690"   "4804855"   "4864152"   "5440176"   "5506453"   "5825094"   "6011334"   "6146096"   "6281597"   "6641327"   "6856036"   "7061135").PN. OR ("7372172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 18:09

L13	37	("2501696"   "3353028"   "3535540"   "4046403"   "4078388"   "4102599"   "4123666"   "4170428"   "4207015"   "4261171"   "4275989"   "4279539"   "4289971"   "4367413"   "4367890"   "4464580"   "4468153"   "4613279"   "4674279"   "4720640"   "4740711"   "4755690"   "4804855"   "4864152"   "5440176"   "5506453"   "5825094"   "6011334"   "6146096"   "6281597"   "6641327"   "6856036"   "7061135").PN. OR ("7372172").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 20:26
L14	174297	415/121.2.ccls. debris	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 21:39
L15	98	415/121.2.ccls. and debris	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 21:39
L16	12	("3627280"   "3650481"   "4141510"   "4150916"   "4400134"   "4454993"   "4527947"   "4728256"   "4776756"   "4826398"   "4877368"   "5238363").PN. OR ("6447245").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 21:41

L17	84	("0061362"   "0328593"   "0507294"   "0867192"   "0868798"   "0903592"   "0914574"   "1123491"   "1147658"   "1396609"   "1512545"   "1555879"   "1602755"   "1669055"   "1713446"   "1790969"   "1903545"   "2116055"   "2213610"   "2355842"   "2501696"   "2723641"   "3027864"   "3209156"   "3980894"   "3986787"   "4026587"   "4116581"   "4163904"   "4274009"   "4306157"   "4313059"   "4324984").PN. OR ("4613279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/08 21:50
L18	91	1 and impeller and (debris same prevent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/08 22:02
S1	14	("2054142"   "3785474").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 09:39
S2	3	("2054142").URPN.	USPAT	OR	ON	2010/02/05 10:02
S3	8	("2054142"   "3168870"   "3618699"   "3760779"   "4868408"   "6409466").PN. OR ("7258523").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 10:02

S4	54664	(water or hydraulic) with turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 10:03
S5	3299	S4 and (low same (lever or head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 10:04
S6	98	S5 and ((rotor or impeller or runner) with (helix or spiral))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 10:04
S7	59	("1013248"   "1056338"   "1061142"   "1061206"   "2087834"   "2321907"   "2598678"   "2622859"   "2850229"   "2924439"   "2952448"   "3017848"   "3037459"   "3045428"   "3226012"   "3275223"   "3610770"   "3923417"   "4036584"   "4186554"   "4201512"   "4218177"   "4255081"   "4347032"   "4403911"   "4548545"   "4609327"   "4773819"   "5118961"   "5191247"   "5192182"   "5192183"   "5224821"   "5297926"   "5372499"   "5388958"   "5419679"   "5470197"   "6062025"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 10:19

		"6071072"   "6375412"   "6503067"   "6779964").PN. OR ("7341424").URPN.				
S8	21	("1494842"   "1673605"   "4367890").PN. OR ("4441029").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 11:08
S9	63	("0199819"   "0233499"   "0338295"   "0347196"   "0543410"   "0543411"   "0618243"   "0659270"   "0662884"   "0669995"   "0676016"   "0680951"   "0704059"   "0748898"   "0825719"   "0880187"   "0892772"   "0893222"   "0955124"   "1005911"   "1007095"   "1031143"   "1047961"   "2077482"   "4396842"   "4441029"   "4490232"   "4599854"   "4629904"   "4782663"   "4947647").PN. OR ("5377485").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 12:31
S10	17	("4117676"   "4182123"   "4188788"   "4311410"   "4364228"   "4437017"   "4467216"   "4476396").PN. OR ("4629904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 12:41

S11	31	("0313746"   "0867192"   "0904892"   "3965365"   "3978345"   "3986787"   "4001597"   "4053787"   "4078388"   "4108579"   "4117676"   "4123185"   "4142823"   "4149092"   "4163904"   "4228360"   "4241283"   "4301377"   "4326819"   "4345159").PN. OR ("4476396").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 13:31
S12	54664	(water or hydraulic) with turbine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 15:37
S13	561	S12 and ((impeller or rotor) same (helix or spiral))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 15:38
S14	13	S13 and ((housing or shroud) same converg \$3 same diverg\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 15:39
S15	204	S13 and head	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 15:49
S16	13	("1509653"   "2042064"   "3440969"   "3610775"   "3964841"   "3973872"   "4274810"   "6135716"   "6217285"   "6338610").PN. OR ("7210904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 15:51



S17	2	("1578843").URPN.	USPAT	OR	ON	2010/02/05 17:32
S18	1937	S12 and ((impeller or rotor) same axial same shaft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 17:34
S19	1215	S18 and (housing or shroud)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 17:34
S20	400	S19 and head	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 17:34
S21	6	("4123666"   "4258271"   "4475334"   "4531888"   "5040945"   "5490768").PN. OR ("6267551").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 17:37
S22	27	("0852022"   "0984599"   "1345022"   "4021135"   "4079264").PN. OR ("4258271").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 17:40
S23	7	("0383291"   "4025220"   "4258271"   "5464320"   "6409466").PN. OR ("7147428").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 17:51
S24	14	("3606568"   "3644053"   "3738717"   "3778182").PN. OR ("4123666").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 17:54
S25	15	("3080761"   "3191079"   "3353028"   "3422275"   "3466952").PN. OR ("3644053").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 17:57
S26	4	("3606568").URPN.	USPAT	OR	ON	2010/02/05 17:58

S27	15	("2214656"   "2436683"   "2634375"   "3393324"   "3535540"   "3606568").PN. OR ("3939357").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/05 17:59
S28	1179	S12 and (head with low)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 18:10
S29	35	S28 and impeller and shaft and pitch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 18:10
S30	8611	S12 and ((head with low) or (water with level))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 18:12
S31	85	S30 and impeller and shaft and pitch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/05 18:13
S32	1	(turbine same kaplan) and (low same head) and (kinetic same ratio same potential)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/06 17:21
S33	1	(turbine same kaplan) and (kinetic same ratio same potential)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/06 17:22
S34	0	(turbine same kaplan) and (low same head) and (potential same ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/06 17:22
S35	1	(turbine same kaplan) and (low same head) and (potential same ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/06 17:22

S36	93	(turbine same kaplan) and (low same head)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/06 17:23
S37	11	("0109335"   "0227576"   "3983404"   "4263516"   "4923368"   "6554596").PN. OR ("6877968").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/06 17:43
S38	14	("1007230"   "1308108"   "1865502"   "1934636"   "1962383"   "2064313"   "2897375").PN. OR ("4764087").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/06 20:31
S39	4	"3865507".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/06 21:08
S40	5	("1668018"   "3543368").PN. OR ("3865507").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/06 21:08
S41	15	415/121.2.ccls. and (turbine same hydraulic)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/06 21:09
S42	1	turbine same kaplan same ratio same "K"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/07 17:10
S43	4	turbine same kaplan same ratio same head	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/07 17:11

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